high
performance

PROGRADE

Audio/Video Distribution Hub & Reciever

Distribute high definition component or composite video and digital or left or right audio over extended distances using CAT5 wire.

CAT5 TX - Transmitter

▪ Active amplification ensures high quality transmission

▪ Loop output for use of additional CAT5 transmitters

▪ Two CAT5 outputs for additional location

▪ Discrete passive IR channel for the use of external IR remote control systems
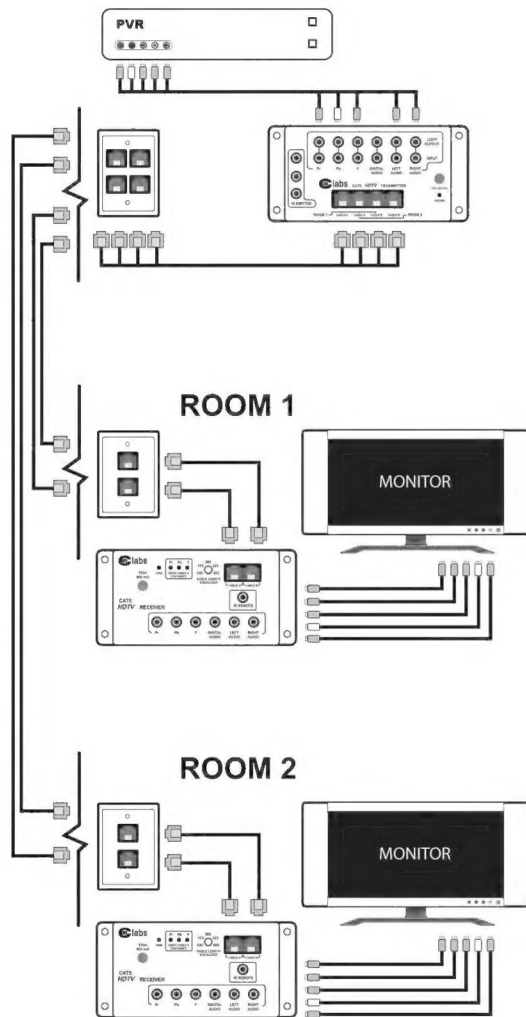
CAT5 RX - Receiver

▪ Cable length equalizer for long distances

▪ Video continuity LEDs to ensure all signals are transmitting

▪ IR port

CElabs
Cable Electronics

3209 Wood Drive
Garland, TX 75041
Toll free: 800.767.6189
www.celabs.net

Distribution Hub & Receiver

Distribute high definition component or composite video and digital or left or right audio over extended distances using CAT5 wire. Video & audio loop output to accomodate future expansion to additional CAT5 transmitters and receivers.

Video

Nominal Input Level: 1 Volt peak to peak

Gain: 1 Volt into 75 ohms (2 Volts unterminated)

Input Impedance (CAT5 TX): 75 ohms

Output Impedance (CAT5 RX): 75 ohms

Isolation port to port: > 65 dB

Isolation out to input: > 80 dB

Return loss: > 30 dB

Video bandwidth: > 50 MHz (HDTV requires 37 MHz min.)

Distance: 500 feet @ 1080i (1000 feet with CAT6 cable)

> *3 composite video signals may be substituted on the individual component video inputs (1000 Ft. max).*

Audio (Analog)

Nominal Input level: 1 Volt peak to peak

Gain: Unity (slightly reduced at max cable length)

Input Impedance: 22k ohm

Output Impedance: 1k ohm

Frequency Response: 20 Hz to 20 KHz

Signal to Noise: 80 dB @ 1 Volts out

Audio (Digital)

Supports standard SPDIF digital audio

Power

Requirement: External 9 or 10 Volt AC @ 600 mA with a (2.1 mm center) Coaxial connector.

NOTE: Composite video may be used for security or with standard monitors

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